

CLAIMS

What is claimed is:

1. An electrooptical unit comprising:

an electrooptical panel overlapping a circuit board with a predetermined space therebetween, said electrooptical panel including panel-side terminals facing circuit board-side terminals of said circuit board;

a flexible board overlapping part of said electrooptical panel;

said flexible board including a plurality of front-side terminals formed on a front side thereof, a plurality of rear-side terminals formed on a rear side thereof and a plurality of through holes enabling electrical connection of said front-side terminals and said rear-side terminals;

said rear-side terminals being electrically connected with said panel-side terminals via conductive material; and

said front-side terminals being electrically connected with electronic components.

2. An electrooptical unit according to claim 1, wherein an area of said flexible board with said through holes overlaps said electrooptical panel.

3. An electrooptical unit according to claim 1, wherein all of said flexible board overlaps said electrooptical panel.

4. An electrooptical unit according to claim 1, wherein an area of said flexible board formed with said through holes extends past an edge of said electrooptical panel.

5. An electrooptical unit according to claim 1, wherein said electronic components include a connector elastically connected between first front-side terminals of said front-side terminals and said circuit board-side terminals.

6. An electrooptical unit according to claim 1, wherein said electronic components include an electrical circuit element surface-mounted on second front-side terminals of

said front-side terminals.

7. An electrooptical unit according to claim 1, wherein said electronic components include a connector having connector electrodes elastically connected to first front-side terminals of said front-side terminals and said circuit board-side terminals by being sandwiched between said flexible board and said circuit board, and an electrical circuit element surface-mounted on second front-side terminals of said front-side terminals

8. An electrooptical unit according to claim 1, in which said electronic panel has a driver IC mounted thereon, and said panel-side terminals include I/O terminals for said driver IC.

9. An electrooptical unit according to claim 6, wherein said electronic panel has a driver IC mounted thereon, said panel-side terminals include I/O terminals for said driver IC, and said electrical circuit element is an external element for operating said driver IC.

10. An electrooptical unit according to claim 9, wherein said external element is a surface mount type capacitor.

11. An electrooptical unit according to claim 8, wherein a plurality of electrode patterns extend from an area where said driver IC is located to an image display area of said electrooptical panel.

12. An electrooptical unit according to claim 5, wherein a plurality of said first front-side terminals are formed at a wider pitch than a pitch of said panel-side terminals to be connected with said first front-side terminals via said through holes and said rear-side terminals.

13. An electrooptical unit according to claim 12, wherein at least one of said front-side terminals flatly overlaps at least one of said panel-side terminals flatly.

14. An electrooptical unit according to claim 1, wherein said panel-side terminals are formed of an ITO film.

15. An electrooptical unit according to claim 1, wherein said electrooptical panel is a liquid crystal panel.

16. An electrooptical unit according of claim 1, wherein said conductive material is an anisotropic conductive material.

17. An electrooptical apparatus, comprising an electrooptical unit set forth in claim 1.

18. An electrooptical unit comprising:

an electrooptical panel including panel terminals formed thereon;

a circuit board disposed opposite and spaced apart from said electrooptical panel, said circuit board including circuit board terminals formed thereon; and

a flexible board disposed on said electrooptical panel, said flexible board including first terminals formed on one side of said flexible board, second terminals formed on an opposite side of said flexible board, and through holes formed through said flexible board electrically interconnecting said first and second terminals;

wherein said second terminals are electrically connected to said panel terminals and said first terminals are electrically connected to an electronic component.

19. The electrooptical unit of Claim 18 further comprising a rubber connector disposed between said electrooptical panel and said circuit board, said rubber connector being elastically connected to said second terminals of said flexible board at one end and elastically connected to said circuit board terminals of said circuit board at an opposite end.

20. The electrooptical unit of Claim 18 wherein an area of said flexible board containing said through holes extends beyond an edge of said electrooptical panel.